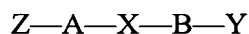


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original): A hydrotreating catalyst comprising at least one element of groups VIB and group VIII of the periodic table and optionally at least one of phosphorus and silicon deposited on a porous substrate, and as an additive an organic compound containing at least one nitrogen atom, said organic compound being of the formula:



in which:

- X = -CH₂-, -NH-, -NR-, -O-, with R = -H, alkyl or alkenyl;
 - Z = -CH₃, -OCH₃, -NH₂, -NR₁R₂, -Si(O-CH₃)₃, -OH with R₁ and R₂ = -H, alkyl or alkenyl;
 - Y = -CH₃, -OCH₃, -NH₂, -NR₃R₄, -Si(O-CH₃)₃, -OH with R₃ and R₄ = -H, alkyl or alkenyl;
 - A = -O-, -NH-, -(CH₂)_t- with t = 1 to 11, -C_nH_{2n-2} with n = 1 to 11, or else
- and
- B = -O-, -NH-, -(CH₂)_t- with t = 1 to 11, -C_nH_{2n-2} with n = 1 to 11, or else

Claim 2 (currently amended): ~~Catalyst~~ A catalyst according to claim 1, wherein said organic compound is selected from ~~among the~~ group of compounds that contain at least one primary, secondary, and/or tertiary amine group, amino alcohols and amino-alkoxy-silanes.

Claim 3 (currently amended): ~~Catalyst~~ A catalyst according to claim 2, ~~wherein comprising~~ said compound that contains at least one primary, secondary and/or tertiary amine group ~~wherein said compound~~ is ~~selected from among~~ hexamethylenediamine, monoethanolamine, diethanolamine, triethanolamine ~~and~~ or N,N-dimethyl-N'-ethylethylenediamine.

Claim 4 (currently amended): ~~Catalyst~~ A catalyst according to claim 2, comprising said amino alcohol wherein said amino alcohol is ~~selected from among~~ 2(2-amino ethyl amino)ethanol, 2(2-amino ethoxy)ethanol, 2-amino-1-butanol, 4-amino-1-butanol, 2,2-diethoxyethylamine, 4,4-diethoxybutylamine, 6-amino-1-hexanol, 2-amino-1,3-propanediol, 3-amino-1,2-propanediol ~~and~~ or 3-amino-1-propanol.

Claim 5 (currently amended): ~~Catalyst~~ A catalyst according to claim 2, comprising said amino-alkoxy-silane wherein said amino-alkoxy-silane is ~~selected from among~~ (3-glycidoxypropyl)trimethoxy silane, 3-(2-aminoethylamino)propyl-trimethoxysilane ~~and~~ or (3-aminopropyl)trimethoxysilane.

Claim 6 (currently amended): ~~Catalyst~~ A catalyst according to ~~one of claims 1 to 5~~ claim 1, wherein the amount of said organic compound in the catalyst is 0.05 to 2.5 mol per mol of metal (metals) of group VIB and/or of group VIII deposited on the substrate.

Claim 7 (currently amended): ~~Catalyst~~ A catalyst according to claim 6, wherein the amount of said organic compound in the catalyst is 0.1 to 1 mol per mol of metal (metals) of group VIB and/or group VIII deposited on the substrate.

Claim 8 (currently amended): ~~Catalyst~~ A catalyst according to ~~one of claims 1 to 7~~ claim 1, wherein said porous substrate comprises at least 40% by weight of alumina.

Claim 9 (currently amended): ~~Catalyst~~ A catalyst according to claim 8, wherein said porous substrate ~~essentially~~ consists essentially of alumina or silica-alumina.

Claim 10 (currently amended): ~~Catalyst~~ A catalyst that is obtained from a catalyst according to ~~one of claims 1 to 9 by calcination~~ claim 1 in calcined form.

Claim 11 (currently amended): ~~Catalyst that is obtained from a catalyst~~ A catalyst according to ~~one of claims 1 to 10 by sulfurization~~ claim 1 in sulfurized form.

Claim 12 (currently amended): ~~Process~~ A process for preparation of a catalyst according to ~~one of claims 1 to 11, wherein it comprises the~~ claim 1, comprising impregnation of a porous substrate by the metal or metals of group VIB and/or group VIII and the deposit on said substrate of said organic compound.

Claim 13 (currently amended): ~~Process~~ A process according to claim 12, wherein it comprises:

- ~~An~~ a impregnation stage of the porous substrate by the metal or metals of group VIB and/or group VIII;
- ~~A~~ a drying stage; and
- ~~A~~ a stage for depositing said organic compound.

Claim 14 (currently amended): ~~Process~~ A process according to claim 13, wherein the drying stage is followed by a calcination stage.

Claim 15 (currently amended): ~~Process~~ A process according to claim 12, ~~wherein it comprises~~ comprising:

- ~~A~~ a simultaneous impregnation stage of the metal or metals of group VIB and/or of group VIII and of said organic compound; and
- ~~A~~ a drying stage.

Claim 16 (currently amended): ~~Process~~ A process according to claim 15, wherein the drying stage is followed by a calcination stage.

Claim 17 (currently amended): ~~Process~~ A process according to claim 12, wherein it comprises:

- ~~A~~ a stage for depositing said organic compound;
- ~~A~~ a drying stage; and

— A a stage of impregnation of the porous substrate by the metal or metals of group VIB and/or group VIII.

Claim 18 (currently amended): ~~Process~~ A process according to ~~one of claims 12 to 17, wherein it also comprises claim 1, further comprising~~ a sulfurization stage.

Claim 19 (currently amended): ~~Process~~ A process according to claim 18, wherein the organic compound is present in the sulfurization feedstock and is deposited during the sulfurization stage.

Claim 20 (currently amended): ~~Use of a catalyst according to one of claims 1 to 11 or prepared according to one of claims 12 to 19 in~~ In a catalytic process of comprising at least one of hydrodesulfurization, hydrodenitrification, hydrodemetallization, hydrogenation or hydroconversion of a petroleum fraction the improvement wherein the catalyst is according to claim 1.